



Mid-Atlantic Aviation Partnership (MAAP) VA UMS Commission

The Virginia/New Jersey/Maryland
UAS Test Site



November 5, 2015



RUTGERS



Background

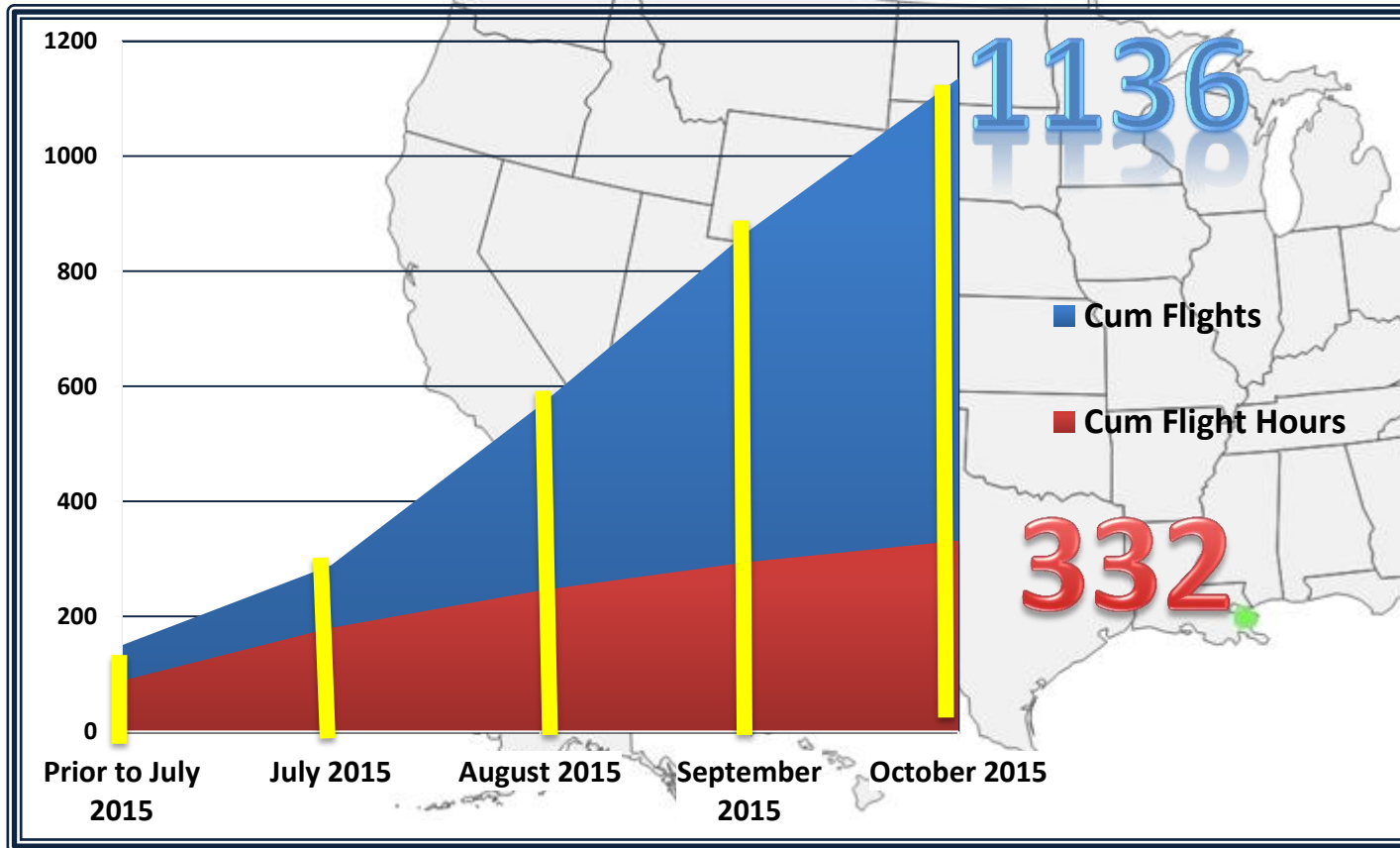
- FAA Modernization and Reform Act of 2012 required six UAS Test Sites.
- December 2013
 - \$2.6M from FACT fund
 - \$1.0M FY14
 - \$1.2M FY15
 - \$436K FY16
 - VT (ICTAS) contribution \$300K
 - VT awarded one of six test sites
- MAAP Formed—coalition from NJ/MD/VA led by VT, UMD, Rutgers
- ~70 team members
- First flight Aug 13, 2013



MAAP Flight Activity



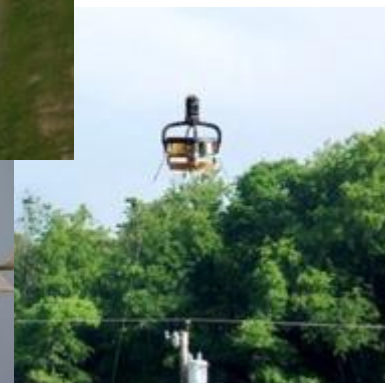
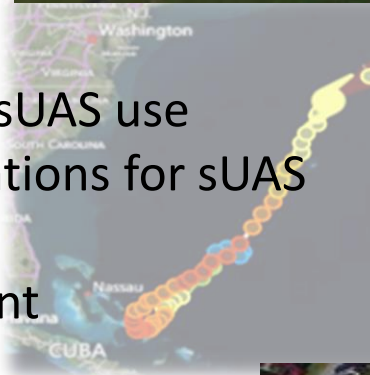
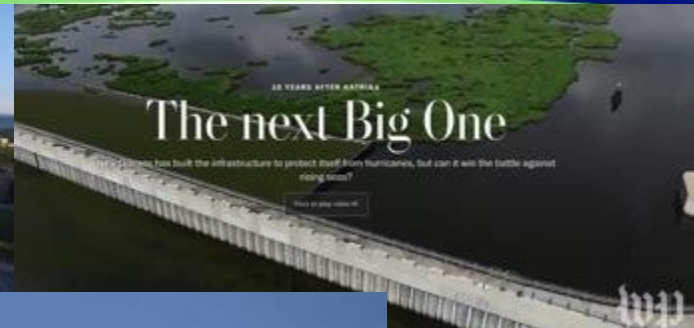
Note: Since August 1st, MAAP is flying over 40% of all test site hours .





Virginia Highlights

- **News Coverage/video**
 - Pathfinder like program
 - News Media Coalition
 - Requirements for safe sUAS use
 - Reduced Pilot Qualifications for sUAS
- **NASA**
 - UAS Traffic Management
 - UAS in the NAS
 - IDIQ
- **Energy Infrastructure**
 - Dominion Power/Hazon
 - AVID EDF-8 at Blacksburg
 - AATI RS-20 in Buckingham





Virginia Highlights

- **Flight Tests**

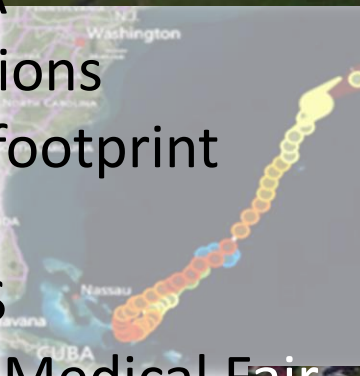
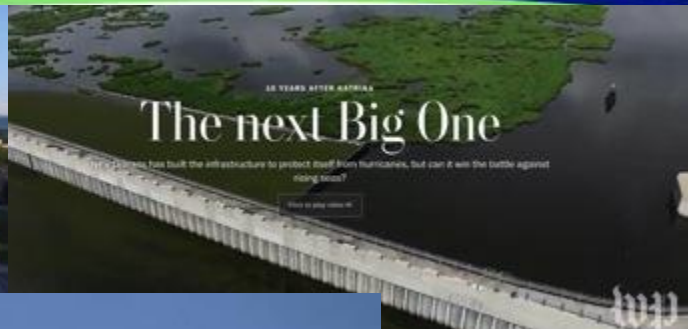
- Daily / Weekly in VA
- Extended time missions
- Expanded airspace footprint

- **Package Delivery**

- First approved in US
- Flirtey at Wise Free Medical Fair

- **First Response**

- Hannah Graham Search
- Prepared to respond for Joaquin
- First Responder Workshop



Initiatives



Flight testing / training

- Bringing work to VA
 - Jobs from MS and CA? to Blackstone
 - Hampton Roads

Regional initiatives

- Blackstone - Eastern Shore
- Hampton Roads – New River Valley
- Wise



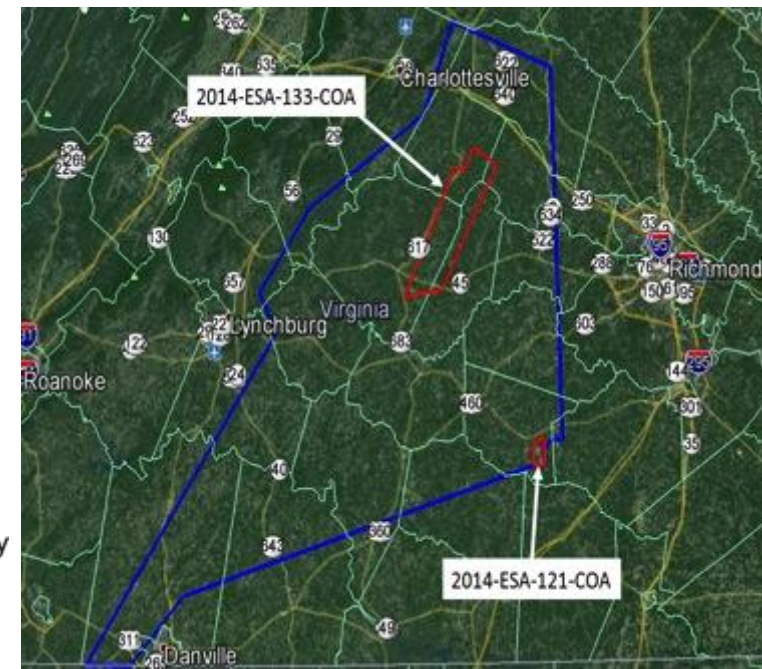
“Urban” Test Site – CERTAIN

Beyond the Horizons

- Pathfinder like program development

Emergency Management

- VDEM
- One Stop for UAS use
 - Industry / Public / DoD Assets
- Asset sharing between VA, MD, NJ





MAAP Early Economic Impacts

Jobs

- 7 - Blacksburg MAAP
- 0 to 65 from 2011 – Blackstone – UAVPro / Textron
 - 2015 growth due to MAAP involvement
- 10 - Virginia Beach – Hazon



Infrastructure

- UAV Pro moving from Ft. Pickett to Allen C Perkinson Airport for customer/ space expansion
- \$1.4M construction underway
- Jobs retained plus growth

Local Economy

- Bringing \$'s





Hazon Solutions

The professionalism and support from MAAP has been crucial to HAZON's many successes. From providing superb support with UAS expertise, safety observers supporting our numerous testing operations; COA development and submission to the FAA; to funneling new hires our way – the MAAP leadership and staff have been key to HAZON's business growth despite cumbersome FAA regulations. HAZON Solutions is excited about the strong partnership with MAAP and looks forward to continued collaboration and synergy in research, development and exploring future utilization of this exciting technology in the commercial sectors. As a Veteran Owned and Operated small business, it's comforting to know that MAAP is working hard to support our success.

–David Culler (CEO)

“Today at the Lonesome Pine Airport we...not only flew multiple missions with the NASA, Flirtey and SEESPAN drones, but the airport stayed opened for business the entire time. The airport saw flight instruction flights, Med-Flight operations..., corporate operations from an Aerial Mapping company and a multitude of transient aircraft in for fuel. Not one disruption came from the UAV operations. The airport sold over 1000 gallons of aviation fuel (a small airports lifeblood) and minus two fuel sales, ALL of these were typical customers in for business and pleasure.

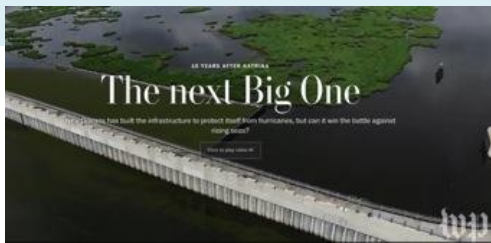
This tells me that with pre planning, an open line of communication and in a structured environment such as we had today, aircraft and UAVs can all coexist safely and without incident.

“

Jarrod S Powers
Lonesome Pine Airport Manager and Licensed Pilot

Questions?

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Institute for Critical Technology
and Applied Science